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- 1 (c) storing data representative of a time of occurrence of each event;
- 2 (d) analyzing the data to classify segments of the video signal between events as
- 3 one of a first and second category;
- 4 (e) positioning the recording medium to beginning and ending positions of each
- 5 segment of the video signal classified as the second category;
- 6 (f) marking the recording medium with a second type of mark in predetermined
- 7 relationship to a corresponding first type of mark at each of said beginning
- 8 positions;
- 9 (g) marking the recording medium with a third type of mark in predetermined
- 10 relationship to a corresponding first type of mark at each of said ending
- 11 positions.
- 12 16. (Amended) A method of cueing a pre-recorded video tape to a desired
- 13 segment comprising the steps of:
- 14 (a) rewinding the tape to the beginning of the tape;
- 15 (b) advancing the tape;
- 16 (c) monitoring the video signal recorded on the tape as it is advanced to automatically
- 17 detect events therein, each of said events occurring within viewable lines of a video
- 18 frame;
- 19 (d) storing data representative of a time of occurrence of each event;
- 20 (e) analyzing the data to classify one such event as marking the beginning of the
- 21 desired segment; and;
- 22 (f) rewinding the tape to said event classified as marking the beginning of the desired
- 23 segment.

Please add the following new claims 19-39:

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1           --19. A method of automatically cueing a pre-recorded video tape to a program segment  
2 comprising the steps of:  
3           (a) moving the video tape at a speed faster than a normal play speed;  
4           (b) monitoring a video signal recorded on the video tape as it is moved to automatically  
5 detect an event therein associated with the program segment, said event occurring  
6 within viewable lines of a video frame;  
7           (c) playing the video tape at a normal play speed beginning at a position corresponding  
8 to said event in the video signal associated with the program segment.

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1           20. The method of claim 19 wherein the video tape is moved in a forward direction at a  
2 speed faster than a normal play speed.

1           21. The method of claim 19 wherein the step of monitoring the video signal includes  
2 gating the video signal to exclude noise bars.

1           22. The method of claim 19 wherein the step of monitoring a video signal comprises  
2 detecting a plurality of events in the video signal and measuring a time interval between successive  
3 detected events.

1           23. The method of claim 22 wherein the event associated with the program segment is  
2 determined as a latest of the plurality of detected events for which there is no successive detected  
3 event occurring within a predetermined period of time thereafter.

1           24. The method of claim 23 further comprising the step, after detecting the event  
2 associated with the program segment, of reversing the video tape to the position corresponding to  
3 said event associated with the program segment.

1  
2           25. An apparatus for automatically cueing a pre-recorded video tape to a program  
3 segment comprising:

- 4           (a) means for moving the video tape at a speed faster than a normal play speed;  
5           (b) means for monitoring a video signal recorded on the video tape as it is moved to  
6 automatically detect an event therein associated with the program segment, said  
7 event occurring within viewable lines of a video frame;  
8           (c) means for playing the video tape at a normal play speed beginning at a position  
9 corresponding to said event in the video signal associated with the program  
segment.

1           26. The apparatus of claim 25 wherein the video tape is moved in a forward direction at  
2 a speed faster than a normal play speed.

1           27. The apparatus of claim 25 further comprising means for gating the video signal to  
2 exclude noise bars.

1           28. The apparatus of claim 25 wherein the means for monitoring a video signal  
2 comprises means for detecting a plurality of events in the video signal and means for measuring a  
3 time interval between successive detected events.

1           29. The apparatus of claim 26 further comprising means for reversing the video tape to  
2 the position corresponding to said event associated with the program segment.

1           30. A method of automatically cueing a pre-recorded video tape to a program segment  
2 comprising the steps of:

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- 3           (a) advancing the video tape;  
4           (b) monitoring a video signal recorded on the video tape as it is advanced to  
5 automatically detect events therein, each of said events occurring within viewable  
6 lines of a video frame;  
7           (c) storing data representative of a time of occurrence of a detected event associated  
8 with the program segment;  
9           (d) reversing the video tape to a position corresponding to the time of occurrence of the  
10 detected event associated with the program segment.

1           31. The method of claim 30 wherein the video tape is advanced at a speed faster than a  
2 normal play speed.

1           32. The method of claim 31 wherein the step of monitoring the video signal includes  
2 gating the video signal to exclude noise bars.

1           33. The method of claim 30 wherein the step of storing data comprises storing data  
2 representative of a time of occurrence of each of a plurality of detected events in the video signal.

1           34.    The method of claim 33 wherein the event associated with the program segment is  
2   determined as a latest of the plurality of detected events for which there is no successive detected  
3   event occurring within a predetermined period of time thereafter.

1           35.    An apparatus for automatically cueing a pre-recorded video tape to a program  
2   segment comprising:

- 3           (a)    means for advancing the video tape;
- 4           (b)    means for monitoring a video signal recorded on the video tape as it is advanced to  
5                    automatically detect events therein, each of said events occurring within viewable  
6                    lines of a video frame;
- 7           (c)    means for storing data representative of a time of occurrence of a detected event  
8                    associated with the program segment;
- 9           (d)    means for reversing the video tape to a position corresponding to the time of  
10                  occurrence of the detected event associated with the program segment.

1           36.    The apparatus of claim 35 wherein the video tape is advanced at a speed faster than  
2   a normal play speed.

1           37.    The apparatus of claim 36 further comprising means for gating the video signal to  
2   exclude noise bars.

1           38.    The system of claim 15 wherein the first, second and third types of mark are each  
2   distinct from the others.

- 1 39. The system of claim 38 wherein each of the first, second and third types of mark  
2 are recorded on a control track of the recording medium. --

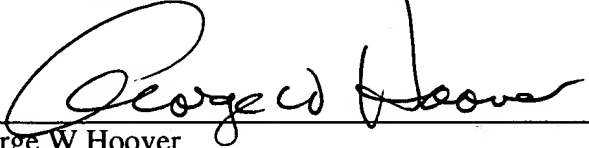
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Respectfully submitted,

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